



 Bukit Batok Street 22 #01-01 Singapore 659592

 Tel: (65) 6561 0488
 Fax: (65) 6561 0588

 Email: sales@scigate.com.sg
 Web: https://scigate.com.sg/

Business Hours: Monday - Friday 8:30AM - 6:15PM

# More Precision

## induSENSOR // Linear inductive displacement sensors



#### Miniature sensor controller for inductive displacement sensors

#### MSC7401



- Compact and robust aluminum housing (IP67)
- High resolution and linearity
- Universal application compatible with LVDT and half-bridge sensors
- Ideal for high-volume applications in machine building and automation
- User-friendly set up and configuration via buttons or software

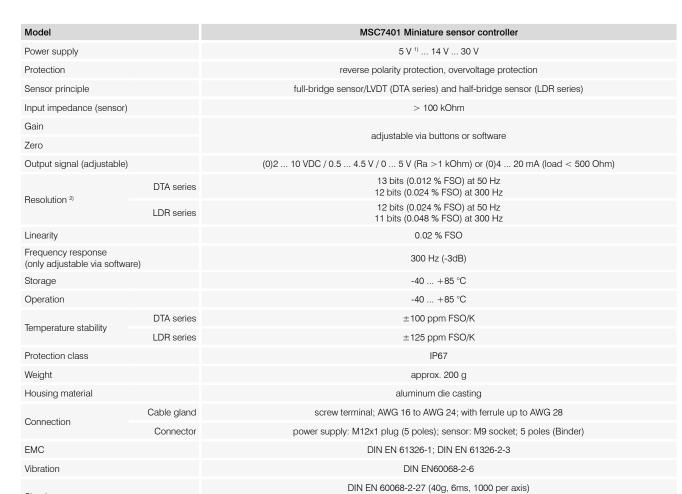
The new MSC7401 controller is designed to be operated with LVDT and LDR measuring gauges and displacement sensors. Due to its robust aluminum housing protected to IP67, this single-channel controller is predestined for industrial measurement tasks.

A large variety of compatible, inductive displacement sensors and gauges from Micro-Epsilon combined with an optimized price/performance ratio opens up numerous fields of applications in automation technology and machine building. The controller is easily set up using buttons or software. Exemplary configuration MSC7401 with DTA-5G8-3-CA gauge:



Technical Data	Channel with DTA-5G8-3-CA
Measuring range	± 5 mm
Linearity	30 <i>µ</i> m
Resolution	~1.2 µm
Output	analog

10

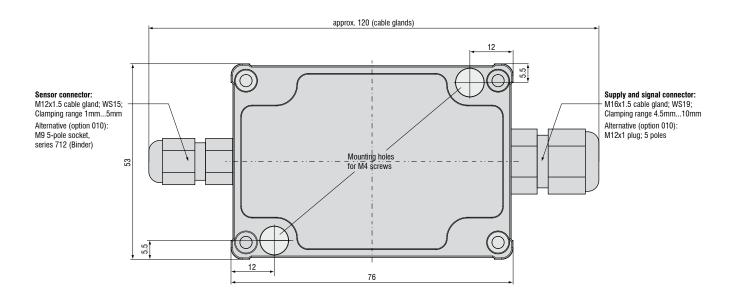


Shock

FSO = Full Scale Output

<sup>1)</sup> Restricted with load and signal span

 $^{\rm 2)}$  Noise: AC RMS measurement via RC low-pass filter of the 1st order with fc = 5 kHz



DIN EN 60068-2-27 (100g, 6ms, 3 per axis)

### High performance sensors made by Micro-Epsilon



Sensors and systems for displacement and position



Optical micrometers, fiber optic sensors and fiber optics



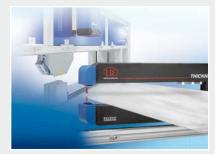
Sensors and measurement devices for non-contact temperature measurement



Color recognition sensors, LED analyzers and color online spectrometer



2D/3D profile sensors (laser scanner)



Measurement and inspection systems



MICRO-EPSILON USA 8120 Brownleigh Dr. · Raleigh, NC 27617 / USA Phone +1/919/787-9707 · Fax +1/919/787-9706 me-usa@micro-epsilon.com · www.micro-epsilon.com